Department of Genetics
University of Wisconsin
Madison 6, Wisconsin
December 3, 1958

Dr. Guy Meynell
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Gower Street
London, W.C.1
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Dear Guy and Eleanor:

I suppose you have worked this out pretty well by now, but having heard more about the applications from various people, it does seem as if density gradient centrifugation would be a reasonably expedient answer to your problem. You might even expect it to work on the intact bacteria and this might help to simplify your analysis to the point where the experiment becomes worthwhile. I have no idea how well they will take very strong solutions of cesium chloride but you should be able to find some organisms that can manage. If then you grow a batch of bacteria for inoculum on N^{15}, the density of these organisms and their progeny should depend on the amount of subsequent dilution by new N^{14} that is to say on the total number of effective generations. There may be some snags in this, but the possibility of separating the bacteria themselves and getting the viable count as a function of density should appeal to you. How are your arrangements going for visiting New Haven?

I suppose it is even just possible that we will see you in London before you get this, but we will be just racing through on Saturday night, December 6.

Yours with best wishes,

JL/ew